



PATENT  
Attorney Docket No. A-58634-6/RFT/RMS/RMK  
Dorsey File No. 468081-00016

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

MEADE et al.

Serial No.: 09/405,046

Filing Date: September 27, 1999

For: *Magnetic Resonance Imaging Agents  
for the Detection of Physiological  
Agents*

Examiner: Jones, D.L.

Art Unit: 1616

CERTIFICATE OF MAILING

I hereby certify that this correspondence, including listed enclosures, is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. BOX 1450, Alexandria, VA 22313-1450 on:

Dated:

May 19, 2004

Signed:

Careyna Peralta

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
AND  
STATEMENT OF RELATEDNESS

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and in accordance with the provisions of 37 C.F.R. §§ 1.97 and 1.98, Applicants wish to draw the attention of the U.S. Patent and Trademark Office to the references cited on the accompanying substitute for Form PTO/SB/08A-B, Substitute for form PTO 1449. Copies of these references are enclosed.

With respect to patent applications, the applicants point out their duty under M.P.E.P. §2001.06(b) to disclose relevant patent applications of which they are aware. To this end, the applicants draw the Examiner's attention to the following patent applications:

05/24/2004 MBLANCO 00000002 09405046

01 FC:1806

180.00 DP

Serial No.: 09/405,046  
Filing Date: September 27, 1999

1. U.S.S.N. 10/799,550, filed March 11, 2004;
2. U.S.S.N 10/693,252, filed October 24, 2003; and
3. U.S.S.N 10/789,840, filed February 27, 2004.

None of the foregoing references is believed to disclose the invention as claimed.

Nothing herein shall constitute an admission concerning the contents of any of the cited references, nor shall the inclusion of a reference herein be considered an admission that the reference constitutes prior art against the invention claimed in the above-identified application. Submission of the present document shall not be construed as an admission that a search has been made or that better art does not exist.

Pursuant to 37 C.F.R. § 1.97(c), enclosed is a check in the amount of \$180.00 as set forth in 37 C.F.R. § 1.17(p). While no further fee is believed to be due, if this belief is in error, the Commissioner is authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-2319 (Our Order No. 468081-00016 (A-58634-6/RFT/RMS/RMK)).

Please direct any calls in connection with this application to the undersigned at (415) 781-1989.

Respectfully submitted,  
DORSEY & WHITNEY LLP

Dated: 5/19/04  
Dorsey & Whitney LLP  
Intellectual Property Department  
Four Embarcadero Center, Suite 3400  
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BY: 

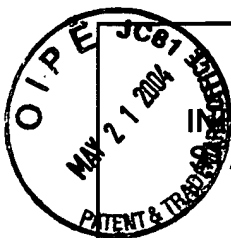
Renee M. Kossiak, Reg. No. 47,717 for  
Robin M. Silva, Reg. No. 38,304

Customer Number: 32940

Serial No.: 09/405,046  
Filing Date: September 27, 1999

Attachments:

Check in the amount of \$180.00  
Form PTO/SB/08A-B, Substitute for form PTO 1449  
46 references



Substitute for form 1449A/PTO  
(Modified)

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

### Complete if Known

Application Number	09/405,046
Filing Date	September 27, 1999
First Named Inventor	Meade et al.
Art Unit	1616
Examiner Name	Jones, Dameron Levest
Attorney Docket Number	A-58634-6/RFT/RMS/RMK

Sheet 1 of 2

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent Document Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	3,919,102	11-11-1975	Kühling et al.	
	A2	5,135,737	08-04-1992	Keana	
	A3	5,428,154	06-27-1995	Gansow et al.	
	A4	5,428,156	06-27-1995	Mease et al.	
	A5	5,565,552	10-15-1996	Magda et al.	
	A6	5,624,901	04-29-1997	Raymond et al.	
	A7	5,672,334	09-30-1997	Ranney	
	A8	5,874,573	02-23-1999	Winchell et al.	
	A9	5,892,029	04-06-1999	Raymond et al.	
	A10	5,900,228	05-04-1999	Meade et al.	
	A11	5,976,493	11-02-1999	Margerum et al.	
	A12	6,054,114	04-25-2000	Lansbury, Jr. et al.	
	A13	6,120,768	09-19-2000	Griffiths et al.	
	A14	6,123,921	09-26-2002	Meade et al.	
	A15	6,409,990 B1	06-25-2002	Vera	
	A16	6,521,209 B1	02-18-2003	Meade et al.	
	A17	6,656,450 B2	12-02-2003	Hubin et al.	
	A18	6,673,333 B1	01-06-2004	Meade et al.	
	A19	6,713,045 B1	03-30-2004	Meade et al.	
	A20	6,713,046 B1	03-30-2004	Meade	
	A21	2002/0098153 A1	07-25-2002	Allen et al.	
	A22	2002/0197648 A1	12-26-2002	Silva et al.	
	A23	2003/0004236 A1	01-02-2003	Meade	
	A24	2003/0053954 A1	03-20-2003	Meade et al.	
	A25	2003/0135108 A1	07-17-2003	Silva et al.	
	A26	2003/0198597 A1	10-23-2003	Meade et al.	
	A27				

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code <sup>2</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	B1	WO 94/04485 A1	03-03-1994	Mallinckrodt Medical Inc.		
	B2	WO 95/10217 A2, A3	04-20-1995	Mallinckrodt Medical Inc.		

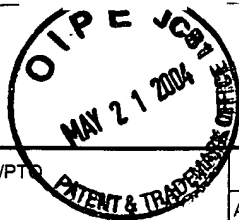
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Examiner Name	Jones, Dameron Levest
Attorney Docket Number	A-58634-6/RF

Sheet **2** of **2**

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	B3	WO 95/19185 A1	07-20-1995	Mallinckrodt Medical Inc.		
	B4	WO 95/19347 A1	07-20-1995	Mallinckrodt Medical Inc.		
	B5	WO 95/20353 A1	08-03-1995	Mallinckrodt Medical Inc.		
	B6	WO 97/00245 A1	01-03-1997	Regents of University of California		
	B7	WO 97/01360 A3	01-16-1997	Concat, Ltd.		
	B8	WO 99/59640 A2, A3	11-25-1999	Bracco International B.V.		
	B9	WO 01/08712 A2, A3	02-08-2001	Epix Medical, Inc.		
	B10	WO 01/52906 A2, A3	07-26-2001	Epix Medical, Inc.		
	B11	WO 02/056670 A2	07-25-2002	The General Hospital		

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	C1	COHEN, S.M, et al., "Synthesis and Relaxation Properties of Mixed Gadolinium Hydroxypyridinonate MRI Contrast Agents," Inorganic Chemistry, 2000, 39:5747-5756.	
	C2	HUBIN et al., "Ultra rigid cross-bridged tetraazamacrocycles as ligands- the challenge and the solution," Chemical Communications, 1998, 1675-1676.	
	C3	HUBIN et al., "Crystallographic Characterization of Stepwise Changes in Ligand Conformations as Their Internal Topology Changes and Two Novel Cross-Bridged Tetraazamacrocyclic Copper(II) Complexes," Inorganic Chemistry, 1999, 38:4435-4446.	
	C4	HUBIN et al., "New Iron(II) and Manganese(II) Complexes of Two Ultra-Rigid, Cross-Bridged Tetraazamacrocycles for Catalysis and Biomimicry," Journal of the American Chemical Society, 2000, 122:2515-2522.	
	C5	HUBIN et al., "Topologically Constrained Manganese(III) and Iron(III) Complexes of Two Cross-Bridged Tetraazamacrocycles," Inorganic Chemistry, 2001, 40:435-444.	
	C6	HUBIN et al., "Potentiometric Titrations and Nickel(II) Complexes of Four Topologically Constrained Tetraazamacrocycles," Supramolecular Chemistry, 2001, 13:261-276.	
	C7	WEISMAN et al., "Cross-Bridged Cyclam. Protonation and Li+ Complexation in a Diamond-Lattice Cleft," Journal of the American Chemical Society, 1990, 112:8604-8605.	
	C8	WEISMAN et al., "Synthesis and transition-metal complexes of new cross-bridged tetraamine ligands," Chemical Communications, 1996, 947-948.	
	C9	WONG et al., "Synthesis and Characterization of Cross-Bridged Cyclams and Pendant-Armed Derivatives and Structural Studies of Their Copper(II) Complexes," Journal of the American Chemical Society, 2000, 122:10561-10572.	

Examiner Signature	Date Considered
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